

1        **In the Claims**

2        Claims 1, 12 and 18 have been amended.

3        Claims 1-25 remain in the application and are listed below:

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5        1.     (Currently Amended) A method comprising:

6        receiving a command from a decoder application at an application program  
7        interface (API), wherein the API is configured to facilitate the use of a plurality of  
8        different multimedia accelerators with the decoder application; and

9        generating one or more filter control command data structures, recognizable  
10       by a communicatively coupled accelerator including one or more parameters  
11       which, when received by the accelerator, affects one or more filter settings of the  
12       accelerator based, at least in part, on the content of the received command.

13  
14       2.     (Original) A method according to claim 1, further comprising:

15       passing the generated filter control command data structures to the  
16       accelerator, wherein the accelerator modifies one or more filter settings in  
17       accordance with the parameters embedded within the data structure.

18  
19       3.     (Original) A method according to claim 1, wherein the filter is a post-  
20       processing filter.

21  
22       4.     (Original) A method according to claim 3, wherein output data  
23       subsequent to the application of a post-processing filter are used as prediction  
24       references for decoding subsequent data.

25

1           5. (Original) A method according to claim 3, wherein the post-  
2 processing filter is one or more of a deblocking filter, a de-ringing filter, and the  
3 like.

4  
5           6. (Original) A method according to claim 1, wherein the parameters  
6 include a strength parameter.

7  
8           7. (Original) A method according to claim 6, wherein the generated data  
9 structure includes a strength parameter for each of one or more block boundaries  
10 of a frame.

11  
12           8. (Original) A method according to claim 1, wherein the API issues  
13 filter control commands for each of a number of edges of luminance and  
14 chrominance blocks of received media content.

15  
16           9. (Original) A method according to claim 1, wherein the API issues  
17 macroblock filter control command data structures for each macroblock of video  
18 picture content, each macroblock filter control command comprising four (4) or  
19 sixteen (16) luminance block filter control command data structures for controlling  
20 the filtering of the luminance blocks of the macroblock, and/or two (2), four (4),  
21 eight (8), sixteen (16), or thirty-two (32) chrominance block filter control  
22 command data structures for controlling the filtering of the chrominance blocks of  
23 the macroblock.

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25

1           10.   (Original) A storage medium comprising a plurality of executable  
2 instructions which, when executed, implement a method according to claim 1.

3  
4           11.   (Original) A computing system comprising:  
5           a storage medium having stored therein a plurality of executable  
6 instructions; and  
7           an execution unit, coupled to the storage medium, to execute at least a  
8 subset of the plurality of executable instructions to implement a method according  
9 to claim 1.

10  
11           12.   (Currently Amended) A storage medium comprising a plurality of  
12 executable instructions which, when executed, implement an application program  
13 interface (API) to dynamically generate one or more filter control command data  
14 structures in response to a command received from a decoder application, wherein  
15 the one or more filter control command data structure(s) include one or more  
16 parameters which, when received by a communicatively coupled accelerator,  
17 effect one or more filter settings on the accelerator in accordance with the received  
18 command, wherein the API is not specific to any particular multimedia application  
19 and/or multimedia accelerator.

20  
21           13.   (Original) A storage medium according to claim 12, wherein the  
22 filter control command data structure(s) effect one or more post processing  
23 filter(s) of the accelerator.

1        14.    (Original) A storage medium according to claim 12, wherein the  
2 filter control command data structure(s) effect one or more of a deblocking  
3 filter(s), de-ringing filter(s), and/or another post processing filter of the accelerator  
4

5        15.    (Original) A storage medium according to claim 12, wherein the  
6 API issues a filter control command data structure for each of a number of edges  
7 of luminance and chrominance blocks of received media content.  
8

9        16.    (Original) A storage medium according to claim 15, wherein the  
10 API issues four (4) filter control command data structures for each luminance  
11 block, and/or two (2) filter control command data structure(s) for each  
12 chrominance block.  
13

14        17.    (Original) A storage medium according to claim 12, wherein the  
15 parameter(s) include a filter strength parameter.  
16

17        18.    (Currently Amended) A computing system comprising:  
18        a decoder application to process received media content; and  
19        an operating system including an application program interface (API),  
20 support the media processing, wherein the API generates one or more filter control  
21 commands including one or more parameters which, when received by a  
22 communicatively coupled media processing accelerator, effect one or more filter  
23 settings of the accelerator in accordance with a command received from the  
24 decoder, wherein the decoder application is configured to iteratively issue  
25 configuration commands reflecting various alternative degrees and methods of

1 decoding acceleration capability until choosing one that is acceptable to both the  
2 decoder application and the accelerator.

3  
4 19. (Original) A computing system according to claim 18, further  
5 comprising:

6 one or more media processing accelerator(s), communicatively coupled to  
7 the decoder application via the API, including one or more filter(s) responsive to  
8 the filter control command data structures reflecting information received in the  
9 command from the decoder.

10  
11 20. (Original) A computing system according to claim 19, wherein the  
12 filter(s) are post processing filters.

13  
14 21. (Original) A computing system according to claim 19, wherein the  
15 filter(s) include one or more of a deblocking filter, de-ringing filter, and the like.

16  
17 22. (Original) A computing system according to claim 18, wherein the  
18 API issues macroblock filter control command data structures for each macroblock  
19 of video picture content, each macroblock filter control command comprising four  
20 (4) or sixteen (16) luminance block filter control command data structures for  
21 controlling the filtering of the luminance blocks of the macroblock, and/or two (2),  
22 four (4), eight (8), sixteen (16) or thirty-two (32) chrominance block filter control  
23 command data structures for controlling the filtering of the chrominance blocks of  
24 the macroblock.

25

1       **23.**   (Original) A computing system according to claim 18, wherein the  
2 filter control command data structures include a strength parameter to control an  
3 amount of filter applied by a receiving filter.

4  
5       **24.**   (Original) A computing system according to claim 18, further  
6 comprising:

7       a storage medium having stored therein a plurality of executable  
8 instructions; and

9       an execution unit, coupled to the storage medium, to execute at least a  
10 subset of the plurality of executable instructions to implement the operating  
11 system and associated API.

12  
13       **25.**   (Original) A computing system according to claim 24, wherein the  
14 execution unit executes at least a subset of the plurality of executable instructions  
15 to implement the decoder application.